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CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. 10/808,391 03/25/2004 Koji Hirata 500.43698X00 20457 7590 **EXAMINER** 02/24/2005 ANTONELLI, TERRY, STOUT & KRAUS, LLP DOWLING, WILLIAM C 1300 NORTH SEVENTEENTH STREET ART UNIT PAPER NUMBER **SUITE 1800** ARLINGTON, VA 22209-9889 2851 DATE MAILED: 02/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	ation No.	Applicant(s)	
		10/808	,391	HIRATA ET AL.	
	Office Action Summary	Examir	ner	Art Unit	
		William	C. Dowling	2851	
	The MAILING DATE of this communica	tion appears on	the cover sheet with the	correspondence address	
Period fo	or Reply			•	
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nasions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communical period for reply specified above is less than thirty (30) of the period for reply is specified above, the maximum statutore to reply within the set or extended period for reply will, reply received by the Office later than three months after ed patent term adjustment. See 37 CFR 1.704(b).	ATION. 7 CFR 1.136(a). In no cation. ays, a reply within the sury period will apply and by statute, cause the a	event, however, may a reply be ti statutory minimum of thirty (30) da d will expire SIX (6) MONTHS from application to become ABANDONI	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).	
Status					
1)[🛛	Responsive to communication(s) filed	on <i>25 March 200</i>	04.		
,	This action is FINAL . 2b)⊠ This action is non-final.				
3)	<u>- </u>				
/—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposit	ion of Claims				
•	☑ Claim(s) <u>1-20</u> is/are pending in the application.				
•	4a) Of the above claim(s) is/are withdrawn from consideration.				
	Claim(s) is/are allowed.				
•	Claim(s) <u>1-4,9-11,13-15 and 17-19</u> is/are rejected.				
· · · · · ·	Claim(s) <u>5-8,12,16 and 20</u> is/are objected to.				
· ·	Claim(s) are subject to restriction and/or election requirement.				
Applicat	ion Papers				
9)□	The specification is objected to by the E	xaminer.			
•	☑ The drawing(s) filed on <u>25 March 2004</u> is/are: a)☑ accepted or b)□ objected to by the Examiner.				
,	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11)	1) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.				
Priority (under 35 U.S.C. § 119				
•	Acknowledgment is made of a claim for	foreign priority	under 35 U.S.C. § 119(a	a)-(d) or (f).	
•	a)⊠ All b)□ Some * c)□ None of:				
,	1. Certified copies of the priority documents have been received.				
	2. Certified copies of the priority documents have been received in Application No				
	3. Copies of the certified copies of the priority documents have been received in this National Stage				
	application from the International Bureau (PCT Rule 17.2(a)).				
* 5	See the attached detailed Office action f	or a list of the ce	ertified copies not receiv	ed.	
Attachmen	• •				
	e of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO	-948)	4) Interview Summar Paper No(s)/Mail D		
3) 🔯 Infor	mation Disclosure Statement(s) (PTO-1449 or PTo r No(s)/Mail Date <u>32504/11804</u> .			Patent Application (PTO-152)	
, ape	(J/) Mail Date <u>J2007/11007</u> .		o,		

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 13 are rejected under 35 U.S.C. 102(b) as being by clearly anticipated by JP 2001-186539.

JP 2001-186539 a color control circuit for use in a full color projection device having three LCD modulators wherein a portion of a red image signal of amplitude 1/N is added to the signal controlling the blue element. See figure 1 for the control circuit and Figure 16 for the type of optical system utilizing it.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior

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art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 2-4, 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 2001-186539 in view of Mukawa et al.

JP 2001-186539 teaches the invention substantially as claimed but lacking a complete translation does not teach the properties of the light source.

As set forth in the specification and in Mukawa et al. UHP mercury lamps suffer from a lack of intensity in the red regions. Such lamps are commonly used in image projection devices and as such would have been an obvious choice for use in the system in JP 2001-186539.

4. Claims 9-11, 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 2001-186539 in view of Gale et al. and Mukawa et al.

JP 2001-186539 teaches the invention substantially as claimed but does not teach the addition of a mirror for projecting light from the projection lens.

Full color rear projection systems are know in the art.

Gale et al. teaches such a system having plural image displays in combination with a reflector for folding the optical path from a projection lens.

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It would have been obvious to one skilled in the art at the time of the invention to utilize the projector disclosed in JP 2001-186539 within a rear projection system to improve color purity in rear projection devices.

As set forth in the specification and in Mukawa et al. UHP mercury lamps suffer from a lack of intensity in the red regions. Such lamps are commonly used in image projection devices and as such would have been an obvious choice for use in the system in JP 2001-186539.

Allowable Subject Matter

5. Claims 5-8, 12, 16, 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Dowling whose telephone number is 571-272-2116. The examiner can normally be reached on MON-TUES, THURS-FRI.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on 571-272-2258. The fax phone number for the

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organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

William C. Dowlin Primary Examiner Art Unit 2851

wcd